

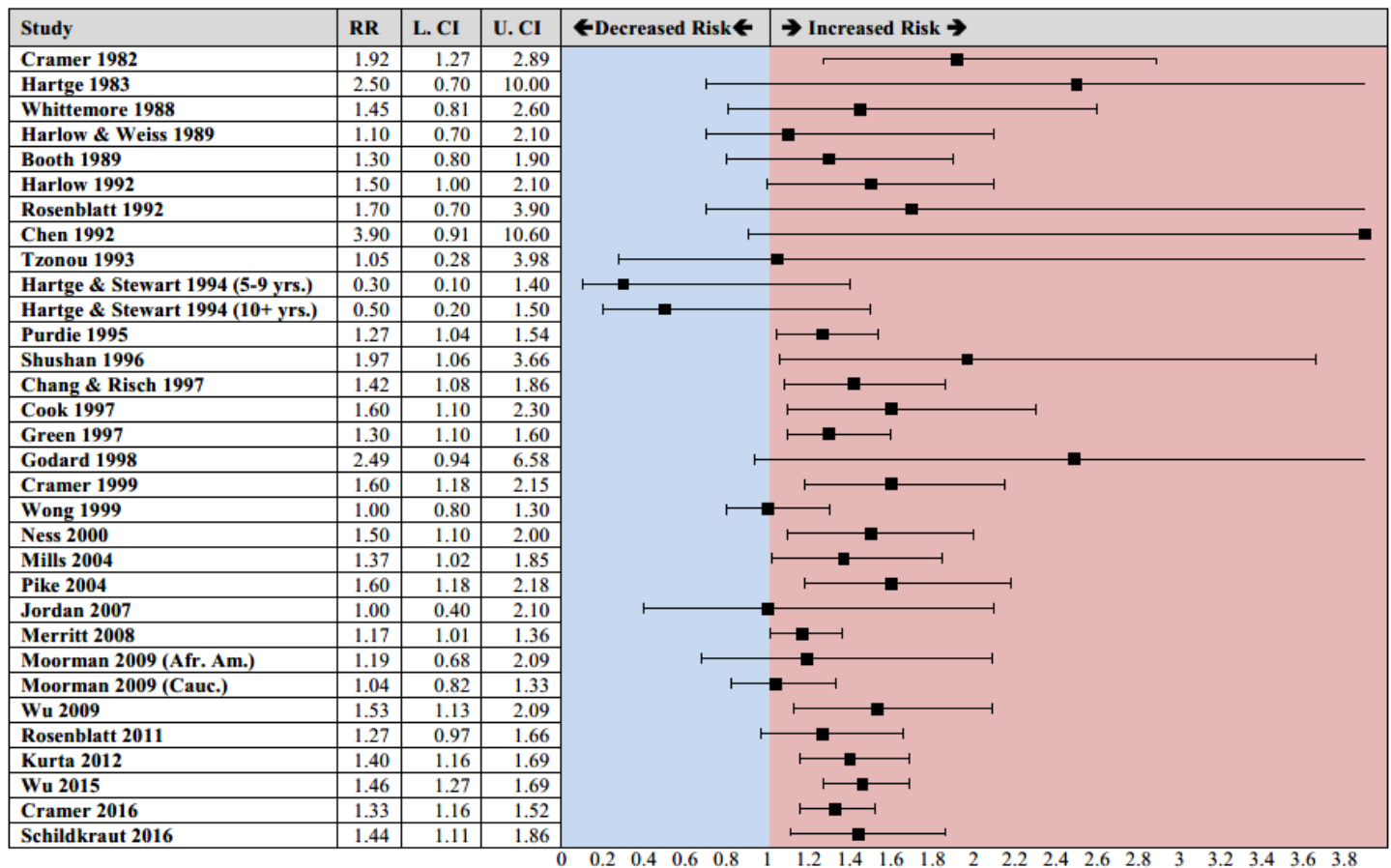
Appendix 1

APPENDIX 1**Case-Control Studies Available at the *Daubert* Hearings**

The following case control Studies were published in the scientific literature as of the date of the *Daubert* hearings in July 2019. The plot and table below appear in *The Plaintiffs' Steering Committee's Omnibus Memorandum of Law in Response and Opposition to Defendants' Johnson & Johnson's And Johnson & Johnson Consumer Inc.'s Motion to Exclude Plaintiffs' General Causation Opinions*, ECF No. 9914 (Corrected Version of ECF No. 9888) (May 31, 2019).

Case-Control Forrest Plot (Page 39)

"...[A]lmost all case control studies, regardless of their study design, demonstrated a consistent increased risk between the use if Talcum Powder and Ovarian cancer:"
PSC Mem. at 38-39.



Case-Control Study Table (Page 105)ⁱ

Study	Relative Risk	Positive Association	CI consistent w/ 20% Increase	CI consistent w/ 25% Increase
Hartge (1983)	2.50	Yes*	Yes	Yes
Whittemore (1988)	1.45	Yes	Yes	Yes
Booth (1989)	1.30	Yes	Yes	Yes
Rosenblatt (1992)	1.70	Yes	Yes	Yes
Tzonou (1993)	1.05	Yes	Yes	Yes
Hartge & Stewart (1994)	0.30 (5-9 yrs.) 0.50 (10+ yrs.)	No	Yes	Yes
Wong (1999)	1.10	Yes	Yes	Yes
Cramer (1982)	1.92	Yes*	Yes	Yes
Harlow & Weiss (1989)	1.1	Yes	Yes	Yes
Harlow (1992)	1.50	Yes*	Yes	Yes
Chen (1992)	3.90	Yes	Yes	Yes
Purdie (1995)	1.27	Yes*	Yes	Yes
Green (1997)	1.30	Yes*	Yes	Yes
Shushan (1996)	1.97	Yes*	Yes	Yes
Chang and Risch (1997)	1.42	Yes*	Yes	Yes
Cook (1997)	1.60	Yes	Yes	Yes
Godard (1998)	2.49	Yes	Yes	Yes
Cramer (1999)	1.60	Yes*	Yes	Yes
Ness (2000)	1.50	Yes*	Yes	Yes
Mills (2004)	1.37	Yes*	Yes	Yes
Pike (2004)	1.60	Yes*	Yes	Yes
Jordan (2007)	1.00	Yes	Yes	Yes
Moorman (2009)	AA 1.19 Caucasian 1.04	Yes	Yes	Yes
Wu (2009)	1.53	Yes*	Yes	Yes
Rosenblatt (2011)	1.27	Yes	Yes	Yes
Kurta (2012)	1.40	Yes*	Yes	Yes
Wu (2015)	1.46	Yes*	Yes	Yes
Schildkraut (2016)	1.44	Yes*	Yes	Yes

ⁱ All studies in this table were attached as Exhibits as follows to the PSC's Omnibus Opposition, ECF No. 9914:

Daniel W. Cramer, et al., *Ovarian Cancer and Talc: A Case-Control Study*, 50 *Cancer* 372 (1982), attached as **Exhibit 21**; Patricia Hartge, et al., *Talc and Ovarian Cancer*, 250 *JAMA* 1844 (1983), attached as **Exhibit 22**; Alice S. Whittemore, et al., *Personal and Environmental Characteristics Related to Epithelial Ovarian Cancer*, 128 *Am. J. Epidemiology* (1988), attached as **Exhibit 23**; Bernard L. Harlow & Noel S. Weiss, *A Case –Control Study of Borderline Ovarian Tumors: the Influence of Perineal Exposure to Talc*, 130 *Am. J. Epidemiology* 390 (1989), attached as **Exhibit 24**; M. Booth, *Risk Factors for Ovarian Cancer: a Case-Control Study*, 60 *Brit. J. Cancer* 592 (1989), attached as **Exhibit 25**; Bernard L. Harlow, et al., *Perineal Exposure to Talc and Ovarian Cancer Risk*, 80 *Obstetrics & Gynecology* 19 (1992), attached as **Exhibit 26**; Patricia Hartge & Patricia Stewart, *Occupation and Ovarian Cancer: A Case-Control Study in the Washington, DC, Metropolitan Area, 1978-1981*, *J. Occupational Med.* 924 (1994), attached as **Exhibit 27**; Karin A. Rosenblatt, et al., *Mineral Fiber Exposure and the Development of Ovarian Cancer* 45 *Gynecologic Oncology* 20 (1992), attached as **Exhibit 28**; Yong Chen, et al., *Risk Factors for Epithelial Ovarian Cancer in Beijing, China*, 21 *Int'l J. Epidemiology* 23 (1992), attached as **Exhibit 29**; Anastasia Tzonou, et al., *Hair Dyes, Analgesics, Tranquilizers and Perineal Talc Application as Risk Factors for Ovarian Cancer*, 55 *Int'l J. Cancer* 408 (1993), attached as **Exhibit 30**; David Purdie, et al., *Reproductive and Other Factors and Risk of Epithelia Ovarian Cancer: an Australian Case-Control Study*, 62 *Int'l J. Cancer* 678 (1995), attached as **Exhibit 31**; Asher Shushan, et al., *Human Menopausal Gonadotropin and the Risk of Epithelial Ovarian Cancer*, 65 *Fertility & Sterility* 13 (1996), attached as **Exhibit 32**; Adele Green, et al., *Tubal Sterilization, Hysterectomy and Decreased Risk of Ovarian Cancer*, 71 *Int'l J. Cancer* 948 (1997), attached as **Exhibit 33**; Stella Chang & Harvey A. Risch, *Perineal Talc Exposure and Risk of Ovarian Carcinoma*, 79 *Cancer* 2396 (1997), attached as **Exhibit 34**; Linda S. Cook, et al., *Perineal Powder Exposure and the Risk of Ovarian Cancer*, 145 *Am. J. Epidemiology* 459 (1997), attached as **Exhibit 35**; Beatrice Godard, et al., *Risk Factors for Familial and Sporadic Ovarian Cancer Among French Canadians: a Case-Control Study*, 179 *Am. J. Obstetrics & Gynecology* 403 (1998), attached as **Exhibit 36**; Daniel W. Cramer, et al., *Genital Talc Exposure and Risk of Ovarian Cancer*, 81 *Int'l J. Cancer* 351 (1999), attached as **Exhibit 37**; Cheung Wong, et al., *Perineal Talc Exposure and Subsequent Epithelial Ovarian Cancer: a Case-Control Study*, 93 *Obstetrics & Gynecology* 372 (1999), attached as **Exhibit 38**;

Roberta B. Ness, *Factors Related to Inflammation of the Ovarian Epithelium and Risk of Ovarian Cancer*, 11 *Epidemiology* 111 (2000), attached as **Exhibit 39**; Paul K Mills, *et al.*, *Perineal Talc Exposure and Epithelial Ovarian Cancer Risk in the Central Valley of California*, 112 *Int'l J. Cancer* 458 (2004), attached as **Exhibit 40**; Malcolm C. Pike, *et al.*, *Hormonal Factors and the Risk of Invasive Ovarian Cancer: a Population-Based Case-Control Study*, 82 *Fertility & Sterility* 186 (2004), attached as **Exhibit 41**; Susan J. Jordan, *et al.*, *Risk Factors for Benign Serous and Mucinous Epithelial Ovarian Tumors*, 109 *Obstetrics & Gynecology* 647 (2007), attached as **Exhibit 42**; Melissa A. Merritt, *et al.*, *Talcum Powder, Chronic Pelvic Inflammation and NSAIDs in Relation to Risk of Epithelial Ovarian Cancer*, 122 *Int'l J. Cancer* 170 (2008), attached as **Exhibit 43**; Patricia G. Moorman, *et al.*, *Ovarian Cancer Risk Factors in African-American and White Women*, 170 *Am. J. Epidemiology* 598 (2009), attached as **Exhibit 44**; Anna H. Wu, *et al.*, *Markers of Inflammation and Risk of Ovarian Cancer in Los Angeles County*, 124 *Int'l J. Cancer* 1409 (2009), attached as **Exhibit 45**; Karin A. Rosenblatt, *et al.*, *Genital Powder Exposure and the Risk of Epithelial Ovarian Cancer*, 22 *Cancer Causes Control* 737 (2011), attached as **Exhibit 46**; Michelle L. Kurta, *et al.*, *Use of Fertility Drugs and Risk of Ovarian Cancer: Results from a U.S.-Based Case-Control Study*, 21 *Cancer Epidemiology Biomarkers Prev.* 1282 (2012), attached as **Exhibit 47**; Anna H. Wu, *et al.*, *African-Americans and Hispanics Remain at Lower Risk of Ovarian Cancer than Non-Hispanic Whites After Considering Non-Genetic Risk Factors and Oophorectomy Rates*, 24 *Cancer Epidemiology Biomarkers Prev.* 1094 (2015), attached as **Exhibit 48**; Daniel W. Cramer, *et al.*, *The Association Between Talc Use and Ovarian Cancer: A Retrospective Case-Control Study in Two US States*, 27 *Epidemiology* 334 (2016), attached as **Exhibit 49**; Schildkraut (2016).